

OIFE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/879,442A

DATE: 11/16/2001  
TIME: 08:53:46

Input Set : A:\COUL-015-02US.txt  
Output Set: N:\CRF3\11162001\I879442A.raw

05-90  
1119  
p.5 6  
**ENTERED**

3 <110> APPLICANT: CORIXA CORPORATION  
4 Dubois, Vincent  
5 Fernandez, Anne Marie  
6 Gangwar, Sanjeev  
7 Lewis, Evan  
8 Lobl, Thomas J.  
9 Nieder, Matthew H.  
10 Pickford, Lesley B.  
11 Trouet, Andre  
12 Yarranton, Geoffrey T.  
14 <120> TITLE OF INVENTION: ENZYME CLEAVABLE PRODRUG COMPOUNDS  
16 <130> FILE REFERENCE: COUL-015/02US  
C--> 18 <140> CURRENT APPLICATION NUMBER: US/09/879,442A  
19 <141> CURRENT FILING DATE: 2001-06-11  
21 <150> PRIOR APPLICATION NUMBER: 60/290,448  
22 <151> PRIOR FILING DATE: 2001-05-11  
24 <150> PRIOR APPLICATION NUMBER: 60/211,887  
25 <151> PRIOR FILING DATE: 2000-06-14  
27 <150> PRIOR APPLICATION NUMBER: PCT/US99/30393  
28 <151> PRIOR FILING DATE: 1999-12-10  
30 <150> PRIOR APPLICATION NUMBER: 60/119,312  
31 <151> PRIOR FILING DATE: 1999-02-08  
33 <150> PRIOR APPLICATION NUMBER: 60/111,793  
34 <151> PRIOR FILING DATE: 1998-12-11  
36 <160> NUMBER OF SEQ ID NOS: 103  
38 <170> SOFTWARE: PatentIn Ver. 2.1  
40 <210> SEQ ID NO: 1  
41 <211> LENGTH: 7  
42 <212> TYPE: PRT  
43 <213> ORGANISM: Artificial Sequence  
45 <220> FEATURE:  
46 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
48 <220> FEATURE:  
49 <221> NAME/KEY: SITE  
50 <222> LOCATION: (1)  
51 <223> OTHER INFORMATION: D-Alanine  
53 <220> FEATURE:  
54 <221> NAME/KEY: SITE  
55 <222> LOCATION: (2)  
56 <223> OTHER INFORMATION: 2-Thienylalanine  
58 <220> FEATURE:  
59 <221> NAME/KEY: SITE  
60 <222> LOCATION: (3)  
61 <223> OTHER INFORMATION: Beta-Alanine  
63 <220> FEATURE:  
64 <221> NAME/KEY: SITE  
65 <222> LOCATION: (4)

## RAW SEQUENCE LISTING

DATE: 11/16/2001

PATENT APPLICATION: US/09/879,442A

TIME: 08:53:46

Input Set : A:\COUL-015-02US.txt

Output Set: N:\CRF3\11162001\I879442A.raw

```
66 <223> OTHER INFORMATION: Beta-Alanine
68 <400> SEQUENCE: 1
W--> 69 Xaa Xaa Xaa Xaa Leu Ala Leu
70      1              5
73 <210> SEQ ID NO: 2
74 <211> LENGTH: 6
75 <212> TYPE: PRT
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
81 <220> FEATURE:
82 <221> NAME/KEY: SITE
83 <222> LOCATION: (1)
84 <223> OTHER INFORMATION: 2-Thienylalanine
86 <220> FEATURE:
87 <221> NAME/KEY: SITE
88 <222> LOCATION: (2)
89 <223> OTHER INFORMATION: Beta-Alanine
91 <220> FEATURE:
92 <221> NAME/KEY: SITE
93 <222> LOCATION: (3)
94 <223> OTHER INFORMATION: Beta-Alanine
96 <400> SEQUENCE: 2
W--> 97 Xaa Xaa Xaa Leu Ala Leu
98      1              5
101 <210> SEQ ID NO: 3
102 <211> LENGTH: 5
103 <212> TYPE: PRT
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
109 <220> FEATURE:
110 <221> NAME/KEY: SITE
111 <222> LOCATION: (1)
112 <223> OTHER INFORMATION: Beta-Alanine
114 <220> FEATURE:
115 <221> NAME/KEY: SITE
116 <222> LOCATION: (2)
117 <223> OTHER INFORMATION: Beta-Alanine
119 <400> SEQUENCE: 3
W--> 120 Xaa Xaa Leu Ala Leu
121      1              5
124 <210> SEQ ID NO: 4
125 <211> LENGTH: 4
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
132 <220> FEATURE:
```

## RAW SEQUENCE LISTING

DATE: 11/16/2001

PATENT APPLICATION: US/09/879,442A

TIME: 08:53:46

Input Set : A:\COUL-015-02US.txt

Output Set: N:\CRF3\11162001\I879442A.raw

```
133 <221> NAME/KEY: SITE
134 <222> LOCATION: (1)
135 <223> OTHER INFORMATION: Beta-Alanine
137 <400> SEQUENCE: 4
W--> 138 Xaa Ala Ala Ile
139 1
142 <210> SEQ ID NO: 5
143 <211> LENGTH: 4
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
150 <220> FEATURE:
151 <221> NAME/KEY: SITE
152 <222> LOCATION: (1)
153 <223> OTHER INFORMATION: Beta-Alanine
155 <400> SEQUENCE: 5
W--> 156 Xaa Ala Ala Leu
157 1
160 <210> SEQ ID NO: 6
161 <211> LENGTH: 4
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
168 <220> FEATURE:
169 <221> NAME/KEY: SITE
170 <222> LOCATION: (1)
171 <223> OTHER INFORMATION: Beta-Alanine
173 <400> SEQUENCE: 6
W--> 174 Xaa Phe Tyr Leu
175 1
178 <210> SEQ ID NO: 7
179 <211> LENGTH: 4
180 <212> TYPE: PRT
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
186 <220> FEATURE:
187 <221> NAME/KEY: SITE
188 <222> LOCATION: (1)
189 <223> OTHER INFORMATION: Beta-Alanine
191 <400> SEQUENCE: 7
W--> 192 Xaa Phe Thr Phe
193 1
196 <210> SEQ ID NO: 8
197 <211> LENGTH: 4
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial Sequence
```

## RAW SEQUENCE LISTING

DATE: 11/16/2001

PATENT APPLICATION: US/09/879,442A

TIME: 08:53:46

Input Set : A:\COUL-015-02US.txt

Output Set: N:\CRF3\11162001\I879442A.raw

201 <220> FEATURE:  
202 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
204 <220> FEATURE:  
205 <221> NAME/KEY: SITE  
206 <222> LOCATION: (1)  
207 <223> OTHER INFORMATION: Beta-Alanine  
209 <400> SEQUENCE: 8  
W--> 210 Xaa Phe Gly Ile  
211 1  
214 <210> SEQ ID NO: 9  
215 <211> LENGTH: 4  
216 <212> TYPE: PRT  
217 <213> ORGANISM: Artificial Sequence  
219 <220> FEATURE:  
220 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
222 <220> FEATURE:  
223 <221> NAME/KEY: SITE  
224 <222> LOCATION: (1)  
225 <223> OTHER INFORMATION: Beta-Alanine  
227 <400> SEQUENCE: 9  
W--> 228 Xaa Phe Gly Leu  
229 1  
232 <210> SEQ ID NO: 10  
233 <211> LENGTH: 4  
234 <212> TYPE: PRT  
235 <213> ORGANISM: Artificial Sequence  
237 <220> FEATURE:  
238 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
240 <220> FEATURE:  
241 <221> NAME/KEY: SITE  
242 <222> LOCATION: (1)  
243 <223> OTHER INFORMATION: Beta-Alanine  
245 <400> SEQUENCE: 10  
W--> 246 Xaa Phe Phe Phe  
247 1  
250 <210> SEQ ID NO: 11  
251 <211> LENGTH: 4  
252 <212> TYPE: PRT  
253 <213> ORGANISM: Artificial Sequence  
255 <220> FEATURE:  
256 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
258 <220> FEATURE:  
259 <221> NAME/KEY: SITE  
260 <222> LOCATION: (1)  
261 <223> OTHER INFORMATION: Beta-Alanine  
263 <400> SEQUENCE: 11  
W--> 264 Xaa Phe Phe Ile  
265 1  
268 <210> SEQ ID NO: 12

## RAW SEQUENCE LISTING

DATE: 11/16/2001

PATENT APPLICATION: US/09/879,442A

TIME: 08:53:46

Input Set : A:\COUL-015-02US.txt

Output Set: N:\CRF3\11162001\I879442A.raw

269 <211> LENGTH: 4  
270 <212> TYPE: PRT  
271 <213> ORGANISM: Artificial Sequence  
273 <220> FEATURE:  
274 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
276 <220> FEATURE:  
277 <221> NAME/KEY: SITE  
278 <222> LOCATION: (1)  
279 <223> OTHER INFORMATION: Beta-Alanine  
281 <400> SEQUENCE: 12  
W--> 282 Xaa Phe Phe Leu  
283 1  
286 <210> SEQ ID NO: 13  
287 <211> LENGTH: 4  
288 <212> TYPE: PRT  
289 <213> ORGANISM: Artificial Sequence  
291 <220> FEATURE:  
292 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
294 <220> FEATURE:  
295 <221> NAME/KEY: SITE  
296 <222> LOCATION: (1)  
297 <223> OTHER INFORMATION: Beta-Alanine  
299 <400> SEQUENCE: 13  
W--> 300 Xaa Phe Ala Ile  
301 1  
304 <210> SEQ ID NO: 14  
305 <211> LENGTH: 4  
306 <212> TYPE: PRT  
307 <213> ORGANISM: Artificial Sequence  
309 <220> FEATURE:  
310 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
312 <220> FEATURE:  
313 <221> NAME/KEY: SITE  
314 <222> LOCATION: (1)  
315 <223> OTHER INFORMATION: Beta-Alanine  
317 <400> SEQUENCE: 14  
W--> 318 Xaa Phe Ala Leu  
319 1  
322 <210> SEQ ID NO: 15  
323 <211> LENGTH: 4  
324 <212> TYPE: PRT  
325 <213> ORGANISM: Artificial Sequence  
327 <220> FEATURE:  
328 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
330 <220> FEATURE:  
331 <221> NAME/KEY: SITE  
332 <222> LOCATION: (1)  
333 <223> OTHER INFORMATION: 2-Thienylalanine  
335 <400> SEQUENCE: 15

→ Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/879,442A

DATE: 11/16/2001  
TIME: 08:53:47

Input Set : A:\COUL-015-02US.txt  
Output Set: N:\CRF3\11162001\I879442A.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:842 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:878 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L:914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:932 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/879,442A

DATE: 11/16/2001

TIME: 08:53:47

Input Set : A:\COUL-015-02US.txt

Output Set: N:\CRF3\11162001\I879442A.raw

L:950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48

L:973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49

L:991 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50